

## **METHOD AND APPARATUS FOR ACTIVE REDUCTION OF SPEAKERPHONE SINGING**

### **Abstract:**

5           In a speakerphone device identification of signals (i.e., voice  
input or speaker output) in a process for reducing acoustic feedback, in  
a communication device, is accomplished by adding a signature noise  
(i.e., an identification mark) to output signals radiated by the speaker to  
enable these signals to be separated from speech input to the  
10   microphone. Having identified the signal (i.e., speech output) likely to  
cause a “singing” phenomenon, appropriate insertion loss to reduce the  
feedback may be added to the appropriate speech path within the  
communication device, to reduce a probability of singing.